

**AMORPHOUS CALCIUM CITRATE SALTS  
AND METHOD OF MAKING AND USING SAME**

**ABSTRACT**

Amorphous water-soluble calcium citrate salts having a mole ratio of  
5 calcium to citrate of less than 2.5:2, and powdered beverage mixes and liquid  
compositions fortified with these amorphous water-soluble calcium citrate salts  
as a calcium source, are provided. Liquid compositions fortified with calcium  
citrate according to this invention have superior dispersability, solubility,  
appearance, and storage stability. These liquid compositions are prepared by  
10 new methods that provide and preserve a stable amorphous character in the  
dry powdered product salts. The present invention also is directed to a method  
of administering such calcium citrate-fortified liquid compositions to increase  
the dietary calcium intake in individuals.